SPECIAL OBJECTIVES FOR COMPUTER AND INFORMATION TECHNOLOGY FOR THE FIRST GRADE

At the end of the first semester the student should be able to:

- **The computer recognizes**
- **Lists modern computer types**
- **Concludes the basic elements of the computer system**
- **Distinguish between Data,**
- **Differentiates between hardware**
- **Lists the main memory types**
- **Demonstrates the function of the CPU**
- **Distinguish between different types of software**
- **Metering units recognize storage capacity**
- **Recognizes operating systems**
- **Lists the operating system tasks**
- **Differentiates between modern computer operating systems**
- **The similarities between the graphical interface elements of operating systems are mentioned**
- **Recognizes the concept of the file / folder**
- **Recognizes file types**
- **Some operations are performed on the file (creates - saves - copies - truncates)**
- **Some operations are performed on the folder (creates - saves - copies - truncates)**
- **Demonstrates computer networks**
- **Identify the types of computer networks**
- **Determines the importance of computer networks**
- **Share his colleagues in the files**
- **Recognizes the GIMP image generation and processing program**
- **The plugin is used to identify the components of the GIMP interface**
- **Some selection tools are practiced in the GIMP image creation and processing program**
- **It designs simple graphics in the GIMP image creation and processing program**

SPECIAL OBJECTIVES FOR COMPUTER AND INFORMATION TECHNOLOGY FOR THE FIRST GRADE

- **At the end of the first semester the student should be able to:**
- **Save the image file and all information about it using the Save command in GIMP**
- **Draws a free format in the GIMP image creation and processing program**
- **Draws gradient in the GIMP image creation and processing program**
- **Copy part of the image on the same layer in the GIMP image creation and processing program**
- **Fixes the color defects of the image in the GIMP image creation and processing program**
- **The image is manipulated in the GIMP image creation and processing program**
- **Cuts the image into the GIMP image creation and processing program**
- **Rotates the image in the GIMP image creation and processing program**
- **Makes a reflection of the image in the GIMP image creation and processing program**
- **Change the image area in the GIMP image creation and processing program**
- **The concept of image layers is recognized in the GIMP image creation and processing program**
- **Image layers are used to create an image in the GIMP image creation and processing program**
- **Processes an image using image layers in GIMP**
- **Insert text above the image in the GIMP image creation and processing program**
- **The image file is exported with a suitable extension in the GIMP image generation and processing program**
- **The Filters concept recognizes the GIMP image generation and processing program**
- **Recognizes the use of some filters in GIMP**
- **Change the appearance of the image using a filter in the GIMP image creation and processing program**
- **Distinguish between Raster Image, Vector Image, and GIMP**
- **Recognizes the color mode of the Image Mode image in GIMP**
- **An image is treated with a color adjustment in the GIMP**
- **The image file is exported with a suitable extension in the GIMP image generation and processing program**
- **A painting is designed using GIMP**

SPECIAL OBJECTIVES FOR COMPUTER AND INFORMATION TECHNOLOGY FOR THE SECOND GRADE

- **At the end of the first semester the student should be able to:**
- **Understand the concept (website / webpage / home page)**
- **Web site components**
- **Shows web page elements (text / image / video / hyperlink)**
- **Identifies the types of different web pages (static webpage / interactive web page)**
- **Illustrates the design and creation phases of the website**
- **The Audacity Audio Creation and Processing program recognizes**
- **Prepares / prepares (data / hardware and software components) for sound creation**
- **Audacity is used to create and process audio**
- **Processes the audio segments (add effect / delete) using the Audacity program**
- **Recognizes audio file extension types in the Audacity audio creation and processing program**
- **Recognizes some video processing software**
- **Import files (images / audio) for the program to create and process OpenShot video files**
- **Creates video clips within OpenShot**
- **Modifies the video footage using the OpenShot video file creation and processing program**
- **Saves video project files using the OpenShot video file creation and processing program**
- **Adds (effects / transition phases / text) to video viewer using OpenShot software**
- **The video is exported to a file with a suitable extension using OpenShot**
- **Recognizes some tools for producing information pages and Internet services**
- **The basic rules for creating a Web page are recognized by using HTML commands**
- **The syntax for creating a webpage is recognized by HTML commands**
- **Adds content to a web page (text / image / video / hyperlinks) using HTML**
- **Web page content is formatted using HTML**
- **Inserts a hyperlink within the web page / between the pages of the site using HTML**
- **Designing a website called "My School Site"**

SPECIAL OBJECTIVES FOR COMPUTER AND INFORMATION TECHNOLOGY FOR THE THIRD GRADE PREPARATORY

At the end of the third grade preparatory year, the learner can:

(1) Define the problem (Problem Definition).

(2) Identify Problem Solving Stages.

(3) Write problem solving steps (Algorithm).

(4) Draws flow charts that reflect the steps of the solution.

(5) Explain the meaning of the programming language

(6) Identify what Visual Basic.NET is.

(7) Recognizes the most important screen components (IDE)

(8) Lists what the .Net Framework provides

(9) Identifies the Properties window.

(10) Selects the appropriate property.

(11) Select the appropriate value for Property.

(12) distinguishes between the properties that characterize each instrument

(13) Dealing with the Code Window. (14) Specifies the meaning of the Event Handler.

(15) Controls the properties of the controls programmatically.

(16) lists the different types of data (17). Select the appropriate data type.

(18) Announces Variables (19) Announces Constants.

(20) assigns values to variables (Variables)

(21) Establishes priorities for the implementation of calculations.

(22) Identifies conditional clause usage

(23) uses the If ... Then (24) statement uses the If ... Then ... Else clause.

(25) Uses the Select ... Case.

(26) Recognizes / illustrates the concept of repetitive episodes

(27) The phrase "For ... Next" is used to execute code for a specified number of times.

(28) The sentence (Do ... Loop) is used to repeat a code for an unlimited number of times.

(34) The procedure (Sub)

(36) Parameters are used during the announcement of the procedure (Sub).

(37) defines electronic infringement

(39) Specifies the electronic means of infringement

(40) distinguishes forms of electronic infringement

(41) Follow the correct behavior in the face of electronic infringement

(42) states the bodies and authorities responsible for its protection when exposed to any electronic infringement